BRUHAT BANGALORE MAHANAGAR PALIKE

Project Division, Yelahanka Zone

SCHEDULE - B

Construction of Mini Vidhansouda compound gate, PU College and Bangla Higher Primary school Auditorium and other developmental works in Ward No.01

SNo	Quantity	Item Name	Unit	Approved Rates of Sri. T K SHANKARAPPA (MESPC INFRA PROJECTS Pvt Ltd)	
				In figures	In words
1	59.62	Dismantling (By Mechanical means) of existing stage and surrounding structure comprising of masonry, cement concrete, wood work, steel work including T&P and scaffolding wherever necessary, sorting the dismatled material, disposal of unserviceable material and stacking the servicable material with all lead, lifts, loading and unloading complete as per direction of Engineer in charge.KSRB M200-14.2	Cum	398.00	Rupees Three Hundred Ninety Eight Only
2	666.20	Earthwork excavation by manual means for foundations, either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches , stacking the excavated soil clear from edges from edges of excavation with lead upto 50m, including breaking of clods complete as per specification in hard soil.KSRB 2-1	Cum	339.03	Rupees Three Hundred Thirty Nine And Paise Three Only
3	97.20	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS	Cum	2754.22	Rupees Two Thousand Seven Hundred Fifty Four And Paise Twenty Two Only
4	183.24	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. Including cost of all labour complete as per specifications. No. KBS 2.9	Cum	227.91	Rupees Two Hundred Twenty Seven And Paise Ninety One Only
5	613.10	KSRRB M400-19. Construction of Median and island above road level with approved material deposited from soil deposits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No. 407	Cum	236.98	Rupees Two Hundred Thirty Six And Paise Ninety Eight Only
6	380.00	Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, Surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7	Sqm	120.19	Rupees One Hundred Twenty And Paise Nineteen Only
7	117.42	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1,4.2	Cum	5785.12	Rupees Five Thousand Seven Hundred Eighty Five And Paise Twelve Only
8	77.16	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	5211.37	Rupees Five Thousand Two Hundred Eleven And Paise Thirty Seven Only

Contractor

Executive Engineer
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				In figures	In words
18	382.31	KSRB 14.5 : Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, labour, curing complete as per specifications. Specification No. KBS 14.26	sqm	1342.53	Rupees One Thousand Three Hundred Forty Two And Paise Fifty Three Only
19	11617.55	Fabricating, supplying and erecting M.S. Angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate. The work includes cutting, Straightnening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cosr of materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc, complete as per specification	Kg	145.14	Rupees One Hundred Forty Five And Paise Fourteen Only
20	687.25	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The Total Qty coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy Sqm 573.00 299	sqm	780.12	Rupees Seven Hundred Eighty And Paise Twelve Only
21	9.60	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of and electrical charges, etc., complete as per specifications.	sqm	6827.16	Rupees Six Thousand Eight Hundred Twenty Seven And Paise Sixteen Only
22	37.00	KSRRB M300-1. KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	cum	147.41	Rupees One Hundred Forty Seven And Paise Forty One Only
23	747.50	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS	cum	1193.99	Rupees One Thousand One Hundred Ninety Three And Paise Ninety Nine Only
24	333.00	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	No	462.63	Rupees Four Hundred Sixty Two And Paise Sixty Three Only
25	52.50	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	90.71	Rupees Ninety And Paise Seventy One Only

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26	26.32	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum	6416.69	Rupees Six Thousand Four Hundred Sixteen And Paise Sixty Nine Only
27	12.10	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum	6680.89	Rupees Six Thousand Six Hundred Eighty And Paise Eighty Nine Only
28	7412.69	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification	Kg	104.32	Rupees One Hundred Four And Paise Thirty Two Only
29	120.45	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202.	CUM	442.22	Rupees Four Hundred Forty Two And Paise Twenty Two Only
30	89.10	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	5095.71	Rupees Five Thousand Ninety Five And Paise Seventy One Only

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				In figures	In words
31	168.00	Fabricating, providing and erecting in position of MS Hot Dip Galvanized Sq. Hallow Poles of 132 x 132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12x75mm galvanized flat for alround frame and 20mm x 20mm galvanized-forged design with square for for vertical al 150mm C/C as shown in the drawing including providing forged ornamental arrow head in top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery and incidental charges for the successful completion of the work as per the direction Engineer-in-charge of the work.	Sqm	9600.43	Rupees Nine Thousand Six Hundred And Paise Forty Three Only
32	22.40	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72 x 72 x 4.8mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50X6mm arch bent to hot dip galvanized flats. the work is inclusive of throughing GI, flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like G I Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineering charge of the work	Sqm	13097.53	Rupees Thirteen Thousand Ninety Seven And Paise Fifty Three Only
33	100.00	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.1) I. Point wiring using class A Materials a) Short point up to 3Mtr from tapping point to out let via switch GROUP A	Each	182.68	Rupees One Hundred Eighty Two And Paise Sixty Eight Only
34	100.00	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.1) I. Point wiring using class A Materials b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch GROUP A	Each	257.23	Rupees Two Hundred Fifty Seven And Paise Twenty Three Only

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35	50.00	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.1) I. Point wiring using class A Materials c) Long point above 6Mtr up to 10Mtr from tapping point to out let via switch GROUP A	Each	381.11	Rupees Three Hundred Eighty One And Paise Eleven Only
36	200.00	wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand 1x1Sqmm copper wire with low conductor resistance single core wire in open or concealed system of wiring specified IS-694 GROUP-A	Each	13.65	Rupees Thirteen And Paise Sixty Five Only
37	8.00	Supplying and mounting 2 Nos. of 2 way 6 amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flush mounted wooden box and wiring as required.(15/3.2)	Each	179.53	Rupees One Hundred Seventy Nine And Paise Fifty Three Only
38	50.00	Supplying 6A flush type socket and 6 amps flush type SP switch either flush mounting in a existing in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required.(15/3.1) b) 6Amps 3/5 way switch socket.	Each	157.49	Rupees One Hundred Fifty Seven And Paise Forty Nine Only
39	20.00	Supply and fixing of bakelite modular switch/ socket /stepped electronic fan regulator on existing modular switch plate as per IS 3854 and IS 1293	Each	300.27	Rupees Three Hundred And Paise Twenty Seven Only
40	15.00	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required.(47/6.16) 5-32Amps SPN Group 'A'	Each	438.86	Rupees Four Hundred Thirty Eight And Paise Eighty Six Only
41	20.00	Supplying PVC/GI flexible conduit pipe...mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and the either end of the pipe terminatedcompletely.(3/1.9)a) 25mm	Mtr	24.15	Rupees Twenty Four And Paise Fifteen Only
42	500.00	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open orconcealed system of wiring. (6/2.5) DISTRIBUTION BOARDS AND 15 Amps plug points 4 sqmm	Mtr	30.66	Rupees Thirty And Paise Sixty Six Only
43	100.00	Supplying tinned copper lugs and crimping and wiring to termina point for wire of the following sizes.(64/7.21)4/6 sqmm	Each	6.56	Rupees Six And Paise Fifty Six Only
44	70.00	Supplying of 4' feet - LED PVC Square batten 28W with high quality diffuser with Life 25000 burning hours & 70% limen maintence with CRI > box type suitable for 28W T5 single t 80. Power input; 220-240V @ 50Hz & power factor > 0.9 along with CE approved drivers. 5years warranty against any manufacturing defect working u win lamp & suspennder standerd electrical condition. (25/4.29.2) 1x4'-28 Watts	Each	1862.52	Rupees One Thousand Eight Hundred Sixty Two And Paise Fifty Two Only
45	100.00	Fixing all types and all capacities of fluorescent / false ceilling / spot / LED fittings indoor on the wall / celling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. (108/17.7)	Each	102.89	Rupees One Hundred Two And Paise Eighty Nine Only
46	6.00	Supplying of 1440rpm heavy duty exhaust fan with bracke tblades suitable to operate on 230V 50Hz, AC Supply complete.(78/9.2.2) I) 12" Sweep (300mm)	Each	3836.33	Rupees Three Thousand Eight Hundred Thirty Six And Paise Thirty Three Only

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				In figures	In words
47	20.00	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved.(78/9.3.1.2) a.Regular model (Khaitan, Crompton Greaves, Orient, Polar, Bajaj,Havells) 48" (1200mm)	Each	1994.81	Rupees One Thousand Nine Hundred Ninety Four And Paise Eighty One Only
48	10.00	Supplying of 2'x2' LED recessed liminaire with 36 Watts system wattage. Housing Shall be with pressure die cast aliminum alloy with corrosion proof resistant polyester power coated. Drive operates with voltage range from 100V to 270V 50/60Hz with short circuit, overload and mis-wiring protection. Lumen Maintenance of 70% at 70% at 500000 Hrs. injuction moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction Temperature shall be <70 degree Celsius. Driver is on constant current driver @ 0.06A with PF >0.92 with line voltage @ 220-240V 50/60Hz, driver efficiency > 85% & THD< 15%, LED Efficiency > 130 im/W at 1W & Fixture Efficiency > 75im/w with CRI > 75 with injuction moulded polycarbonate lens with < 80mm depth. 5Years Warrenty against any manufacturing defect working under standerd electrical condition.(26/4.33.2) a)2'x2'-36Watts	Each	8653.28	Rupees Eight Thousand Six Hundred Fifty Three And Paise Twenty Eight Only
49	28000.00	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. (49/6.40.1)a) 14SWG	Sqcm	0.39	Rupees And Paise Thirty Nine Only
50	5.00	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic alluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DM insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary botls,nuts and washers etc., complete.(49/6.38.1) b) 100Amps 4x30x10mm Alluminium Strips	Rmtr	2241.54	Rupees Two Thousand Two Hundred Forty One And Paise Fifty Four Only
51	3.00	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.(48/6.36) Group A	Each	464.06	Rupees Four Hundred Sixty Four And Paise Six Only
52	5.00	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required.(47/6.16) a) 5-32Amps SP Group 'A'	Each	434.66	Rupees Four Hundred Thirty Four And Paise Sixty Six Only
53	2.00	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. (49/6.39) d) 50x50x6mm C channel	Rmtr	354.87	Rupees Three Hundred Fifty Four And Paise Eighty Seven Only
54	25.00	Supplying and running of GI/Copper strips for groundingconnections, using necessary fixing materials as required.(55/7.3.1) GI strip 25x3mm	Mtr	80.84	Rupees Eighty And Paise Eighty Four Only
55	150.00	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class.(55/7.4) Class `A' PVC Cable 3.5 core 25 sqmm	Mtr	689.78	Rupees Six Hundred Eighty Nine And Paise Seventy Eight Only

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56	25.00	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidatingetc., complete.(As per Civil SR KSRB I-2, P-7)(61/7.9)In soil (ordinary)	Mtr	81.89	Rupees Eighty One And Paise Eighty Nine Only
57	8.00	Supplying tinned copper lugs and crimping and wiring to minal point for wire of the following sizes.(64/7.21) f) 25 sqmm	Each	253.03	Rupees Two Hundred Fifty Three And Paise Three Only
58	9.00	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by	Each	18898.20	Rupees Eighteen Thousand Eight Hundred Ninety Eight And Paise Twenty Only
59	24.00	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS . UL approved MCPCB . LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given	No	5879.44	Rupees Five Thousand Eight Hundred Seventy Nine And Paise Forty Four Only
60		GST @ 12%			

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